



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : NAPA® N20320L CLASSIC 20W50
Motor Oil

Product code : 902475

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Engine, gear & lubricating oil.

1.3 Details of the supplier of the safety data sheet

Company : Ellis Enterprises B.V., an affiliate of Valvoline Global
Operations
Wieldrechtseweg 39
3316 BG Dordrecht
Netherlands

Telephone : +31 (0)78 654 3500 (in the Netherlands), or contact your local
CSR contact person

E-mail address of person : SDS@valvolineglobal.com
responsible for the SDS

1.4 Emergency telephone number

00-800-825-8654 / 001-859-202-3865, or contact your local emergency telephone number
at 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Not a hazardous substance or mixture.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Additional Labelling

EUH210 Safety data sheet available on request.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8 265-158-7 649-468-00-3 01-2119487077-29- xxxx	Asp. Tox. 1; H304	>= 1 - < 2.5
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	64742-65-0 265-169-7 649-474-00-6 01-2119471299-27- xxxx	Asp. Tox. 1; H304	>= 1 - < 2.5
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased	68784-26-9 272-234-3 01-2119524004-56- xxxx	Aquatic Chronic 4; H413	>= 1 - < 2.5
PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3- DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS	84605-29-8 283-392-8 01-2119493626-26- xxxx	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411 specific concentration limit	>= 1 - < 2.5



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

		Skin Irrit. 2; H315 >= 6.25 % Eye Dam. 1; H318 >= 12.5 % Eye Irrit. 2; H319 >= 10.0 %	
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For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	: Do not leave the victim unattended.
If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	: No symptoms known or expected.
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4.3 Indication of any immediate medical attention and special treatment needed

Treatment	: No hazards which require special first aid measures. Treat symptomatically.
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NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : carbon dioxide and carbon monoxide
sulfur oxides

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

- Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased	Workers	Inhalation	Long-term systemic effects	7.05 mg/m ³



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

	Workers	Inhalation	Acute systemic effects	167 mg/m3
	Workers	Dermal	Long-term systemic effects	2.08 mg/kg
	Workers	Dermal	Acute systemic effects	80 mg/kg
	Consumer use	Inhalation	Long-term systemic effects	1.74 mg/m3
	Consumer use	Inhalation	Acute systemic effects	0.167 mg/m3
	Consumer use	Dermal	Long-term systemic effects	1.04 mg/kg
	Consumer use	Dermal	Acute systemic effects	40 mg/kg
	Consumer use	Oral	Long-term systemic effects	0.5 mg/kg

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased	Sewage treatment plant	100 mg/l
	Marine sediment	3480 mg/kg
	Fresh water sediment	43500 mg/kg
	Soil	8850 mg/kg

8.2 Exposure controls

Personal protective equipment

Eye/face protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Hand protection

Material : neoprene, nitrile rubber
Break through time : >= 240 min
Glove thickness : >= 0.35 mm
Directive : Equipment should conform to EN 374

Remarks : The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used,



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

such as the danger of cuts, abrasion, and the contact time. The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

- | | | |
|--------------------------|---|---|
| Skin and body protection | : | Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place. |
| Respiratory protection | : | No personal respiratory protective equipment normally required. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | | |
|--|---|--------------------------------------|
| Appearance | : | liquid |
| Colour | : | amber |
| Odour | : | oily |
| Odour Threshold | : | No data available |
| pH | : | Not applicable |
| Pour point | : | < -30 °C |
| Boiling point/boiling range | : | No data available |
| Flash point | : | 260 °C
Method: Cleveland open cup |
| Evaporation rate | : | No data available |
| Flammability (solid, gas) | : | No data available |
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: ca. 0.878 g/cm ³ (15.6 °C)
Solubility(ies)	
Water solubility	: insoluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: < 9,200 mPa.s (-25 °C)
Viscosity, kinematic	: ca. 157 mm ² /s (40 °C)
Oxidizing properties	: No data available

9.2 Other information

Self-ignition	: No data available
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SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	: No decomposition if stored and applied as directed.
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10.4 Conditions to avoid

Conditions to avoid	: excessive heat
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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

Heat

10.5 Incompatible materials

Materials to avoid : Alkali metals
aluminum
Ammonia
Combustible material
halogens
Metals
metal oxides
Oxidizing agents
peroxides
reducing agents
sodium
water

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Components:

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS:

Acute inhalation toxicity : LC50 (Rat): > 2.3 mg/l
Exposure time: 4 h



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

Test atmosphere: vapour	
Assessment: The substance or mixture has no acute inhalation toxicity	
Acute dermal toxicity	: LD50 (Rat): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity	

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks : May cause skin irritation and/or dermatitis.

Components:

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

Assessment	: Slight, transient irritation
Result	: Slight, transient irritation

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

Assessment	: Slight, transient irritation
Result	: Slight, transient irritation

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Species	: Rabbit
Result	: No skin irritation

PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS:

Species	: Rabbit
Result	: Irritating to skin.

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Result : No eye irritation

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

Components:

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

Assessment	:	Slight, transient irritation
Result	:	Slight, transient irritation

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

Assessment	:	Slight, transient irritation
Result	:	Slight, transient irritation

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Species	:	Rabbit
Result	:	No eye irritation

PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS:

Species	:	Rabbit
Result	:	Corrosive

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Test Type	:	Maximisation Test
Species	:	Guinea pig
Assessment	:	Does not cause skin sensitisation.

Test Type	:	Human Repeat Insult Patch Testing (HRIPT)
Assessment	:	Does not cause skin sensitisation.

PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS:

Test Type	:	Buehler Test
Species	:	Guinea pig



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

Assessment	:	Does not cause skin sensitisation.
Method	:	OECD Test Guideline 406

Germ cell mutagenicity

Not classified based on available information.

Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Genotoxicity in vitro	:	Test Type: Ames test
		Test system: Salmonella typhimurium
		Metabolic activation: with and without metabolic activation
		Result: negative

PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS:

Genotoxicity in vitro	:	Test Type: Ames test
		Test system: Salmonella typhimurium
		Metabolic activation: with and without metabolic activation
		Result: negative

Carcinogenicity

Not classified based on available information.

Components:

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

Carcinogenicity - Assessment	:	Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)
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DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

Carcinogenicity - Assessment	:	Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)
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Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

Aspiration toxicity

Not classified based on available information.

Components:

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

|| May be fatal if swallowed and enters airways.

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

|| May be fatal if swallowed and enters airways.

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

Components:

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

Ecotoxicology Assessment

|| Acute aquatic toxicity : Not classified based on available information.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

Chronic aquatic toxicity : Not classified based on available information.

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 1.0 mg/l
Exposure time: 96 h
Test Type: semi-static test
Test substance: WAF
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 1.0 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: WAF
Remarks: No toxicity at the limit of solubility

Toxicity to algae/aquatic plants : NOELR (Pseudokirchneriella subcapitata (green algae)): End point: Growth inhibition
Exposure time: 96 h
Test Type: static test
Test substance: WAF
Remarks: No toxicity at the limit of solubility

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : May cause long lasting harmful effects to aquatic life.

PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.4 mg/l
End point: Reproduction Test
Exposure time: 28 d
Species: Daphnia magna (Water flea)
Test substance: WAF
Method: OECD Test Guideline 211

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

12.2 Persistence and degradability

Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Biodegradability	:	Result: Not readily biodegradable.
		Biodegradation: < 10 %
		Exposure time: 28 d
		Method: Modified Sturm Test
		Remarks: The toxicological data has been taken from products of similar composition.

PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS:

Biodegradability	:	Result: Not readily biodegradable.
		Biodegradation: 1.5 %
		Exposure time: 28 d
		Method: OECD Test Guideline 301B

12.3 Bioaccumulative potential

Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Partition coefficient: n-octanol/water	:	log Pow: 9.5
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PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS:

Partition coefficient: n-octanol/water	:	log Pow: 0.56
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12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment	:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

12.6 Other adverse effects

Product:

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological information : No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA_P : Not regulated as a dangerous good

14.2 UN proper shipping name

ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA_P : Not regulated as a dangerous good



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

14.3 Transport hazard class(es)

ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA_P : Not regulated as a dangerous good

14.4 Packing group

ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA (Cargo) : Not regulated as a dangerous good
IATA_P (Passenger) : Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) : Not applicable
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

UK REACH List of substances subject to authorisation : Not applicable
(Annex XIV)

Control of Major Accident Hazards Regulations : Not applicable
2015 (COMAH)

The components of this product are reported in the following inventories:

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory
AIIC	: Not in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory

15.2 Chemical safety assessment

No data available

Inventories

AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TECI (Thailand), TSCA (USA)

SECTION 16: Other information

Full text of H-Statements

H304	: May be fatal if swallowed and enters airways.
H315	: Causes skin irritation.
H318	: Causes serious eye damage.
H411	: Toxic to aquatic life with long lasting effects.
H413	: May cause long lasting harmful effects to aquatic life.

Full text of other abbreviations



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
NAPA® N20320L CLASSIC 20W50 Motor Oil

Version: 12.0

Revision Date: 26.06.2023

Print Date: 16/10/2023

Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Eye Dam.	: Serious eye damage
Skin Irrit.	: Skin irritation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Internal information : 000000218676

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a



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